

Part	Technical Specifications	Part Number	Quantity	Unit price	Total
Transformer	115/230V 17VAC 2.8A	595-1341	1	\$22.73	\$22.73
15 V Regulator	15V, 3A	MC78T15	3	\$0.90	\$2.70
12 V Regulator	12V, 3A	MC78T12	1	\$0.90	\$0.90
5 V Regulator	5V, 3A	MC78T05	3	\$0.90	\$2.70
Rectifier Bridge	800V, 3A	KBPC108	3	\$1.40	\$4.20
Power MOSFET Driver	10-20V, 2A	IR2113	6	\$5.15	\$30.90
Power MOSFET	30V, 14A	IRFP450	6	\$4.28	\$25.68
PIC Development Board	Had from ECE 376		1	\$75.00	\$0.00
Hex Buffer	14DIP Open Collector Buffer	7407	1	\$0.60	\$0.00
Hex Inverter	14DIP Hex Inverter	7404	1	\$0.70	\$0.00
Misc Resistors					\$1.00
Misc Capacitors					\$2.00
Diodes					\$0.50
Total Cost					\$93.31
Projected Costs					
Part	Technical Specifications	Part Number	Quantity	Unit price	Total
12 V Regulator	12V, 3A	MC78T12	2	\$0.90	\$1.80
5 V Regulator	5V, 3A	MC78T05	2	\$0.90	\$1.80
Rectifier Bridge	800V, 3A	KBPC108	3	\$1.40	\$4.20
3 Phase Bridge Rectifier	26MT60		1	\$12.92	\$12.92
Extra Driver Circuit Comp.	MOSFET, Drivers, Inverter, Buffer				\$40.00
Misc (R, C and Diodes)					\$15.00
PCB Fabrication	Purchase 376 kit from Bookstore				\$80.00
Enclosure Assembly					\$30.00
Projected Cost					\$185.72
TOTAL					\$279.03